

LISTING OF THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. – 25. (Cancelled)

26. (Previously presented) A highway advisory radio system comprising:

- an interface that receives and reconverts waves to sound waves;
- a publicly switched network coupled to the interface;
- an amplitude modulating transmitter that encodes information received through the interface using a carrier wave of constant frequency having a varying amplitude;
- a controller programmed to manage the information encoded onto the carrier wave; and
- digital audio electronics configured to accept an input from a local handset and the controller;

wherein the controller is located away from the amplitude modulating transmitter and the digital audio electronics, and the controller is configured to transmit data through an Ethernet interface using a transmission control protocol and an internet protocol.

27. (Previously presented) The highway advisory radio system of claim 26 wherein the digital audio electronics are configured to receive messages expressed through a combination of tones.

28. (Previously presented) The highway advisory radio system of claim 27 wherein the digital audio electronics are further configured to receive messages through digital commands.

29. (Previously presented) The highway advisory radio system of claim 26 wherein the digital audio electronics are further configured to receive messages through digital commands.

30. (Previously presented) The highway advisory radio system of claim 26 further comprising a modulator and a demodulator that enables the controller to communicate across the publicly switched network.

31. (Previously presented) The highway advisory radio system of claim 26 wherein the input comprises digitally encoded audio information.

32. (Previously presented) The highway advisory radio system of claim 26 wherein the input comprises a plurality of signals having frequencies in a range of perception of a human ear.

33. (Previously presented) The highway advisory radio system of claim 26 further comprising a frequency modulation transmitter that encodes information received through the interface.

34. (Previously presented) The highway advisory radio system of claim 26 further comprising a synchronizing device that coordinates a communication facilitated through the digital audio electronics with a second communication occurring at a second location.

35. (Previously presented) The highway advisory radio system of claim 26 further comprising a synchronizing device that matches a timing of a broadcast transmitted from the amplitude modulating transmitter with a second broadcast transmitted from a second amplitude modulating transmitter located away from the amplitude modulating transmitter.

36. (Previously presented) The highway advisory radio system of claim 35 wherein the amplitude modulating transmitter and the second amplitude modulating transmitter broadcast at a common frequency.

37. (Previously presented) The highway advisory radio system of claim 35 wherein the synchronizing device is configured to transmit a wireless sync signal.

38. (Previously presented) A highway advisory radio system comprising:

- an analog interface;
- a publicly switched telephone network coupled to the analog interface;
- an amplitude modulating transmitter that encodes information received through the analog interface using a carrier wave of constant frequency having a varying amplitude;
- a controller programmed to manage the information encoded onto the carrier wave and synchronize a plurality of broadcasts;
- digital audio electronics configured to accept an input from a local handset and the controller; and
- a modulator and a demodulator that enables the controller to communicate across the publicly switched telephone network;
- wherein the controller is located away from the amplitude modulating transmitter, and
- wherein the amplitude modulating transmitter is synchronized to a pseudorandom code received from a source remote from the controller.

39. (Previously presented) A highway advisory radio system comprising:

- an analog interface;
- a publicly switched telephone network coupled to the analog interface;
- a first amplitude modulating transmitter that encodes information received through the analog interface using a carrier wave of constant frequency having a varying amplitude;
- a controller programmed to manage the information encoded onto the carrier wave;
- digital audio electronics configured to accept an audio input from a local handset and the controller;
- a modulator and a demodulator that enables the controller to communicate across the publicly switched telephone network; and
- a synchronizing device configured to synchronize a broadcast from the first amplitude modulating transmitter with a second broadcast transmitted from a second amplitude modulating transmitter;

wherein the controller is located away from the first amplitude modulating transmitter and the digital audio electronics, and the first amplitude modulating transmitter and the second amplitude modulating transmitter are configured to transmit highway advisories; and

wherein the amplitude modulating transmitter is synchronized to a pseudorandom code received from a source remote from the controller.

40. (Previously presented) The highway advisory radio system of claim 39 wherein the first amplitude modulating transmitter is located away from the second amplitude modulating transmitter.

41. (Previously presented) The highway advisory radio system of claim 39 wherein in the modulator and the demodulator enables the controller to communicate across the publicly switched telephone network in a serial format.

42. (Previously presented) The highway advisory radio system of claim 39 wherein the synchronizing device is configured to transmit a sync signal.

43. (Previously presented) The highway advisory radio system of claim 39 wherein the controller is programmed to monitor the publicly switched telephone network, the amplitude modulating transmitter, the controller, the digital audio electronics, the modulator and the demodulator, and the synchronizing device.

44. (Previously presented) The highway advisory radio system of claim 39 wherein the controller comprises a computer.